

INFORMATION DISCLOSURE STATEMENT	Application #	New US Application
	Confirmation #	
	Filing Date	2/09/04
	First Inventor	OTAKA
	Art Unit	
	Examiner	
	Docket #	P08137US00/RFH

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

This IDS is submitted herewith pursuant to 37 CFR. §1.97-1.98 and includes the following:

- ☒ A listing of the references on PTO-1449.
- ☒ A copy of references which have come to applicant's attention.
 Note: this application was filed or entered the national stage after June 30, 2003 so copies of the US patent(s) and/or published application(s) are not enclosed/required.
- ☐ A copy of a corresponding foreign Search Report which explains the relevance of the references noted therein.
- ☒ A explanation of relevance is set forth as follows: The attached references are described on page 2 of the specification.

Please note the following particulars concerning the filing of this IDS:

- ☒ This IDS is filed **within three months** of the filing date of a national application other than a CPA, or within three months of the date of entry into the national stage as set forth in 37 CFR. §1.491 in an international application, or before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination, whichever event occurs last.

☐ This IDS is filed **after a first action**, but before a final action, allowance, or any other action which closes prosecution, **and**:

☐ is accompanied by a check in the amount of \$180.00 required by 37 CFR. §1.17(p).

or

☐ I hereby state that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ I hereby state that no item of information in this IDS herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR. §1.56(c) more than 3 months prior to the filing of this IDS.

☐ An appropriate statement is attached.

..... This IDS is filed **after** a final action or allowance, but on/before payment of the issue fee, and:
..... is accompanied by a check in the amount of \$180.00 required by 37 CFR. §1.17(p).

and

..... I hereby state that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

..... I hereby state that no item of information in this IDS herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR. §1.56(c) more than 3 months prior to the filing of this IDS.

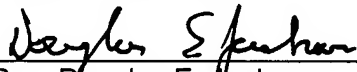
..... An appropriate statement is attached.

..... This IDS is being filed pursuant to 37 CFR. §1.97(i), **for placement in the file.**

X If no check is enclosed and a fee is due in connection with this communication or if the check enclosed is insufficient, the Commissioner is authorized to charge any fee or additional fee due with this communication to Deposit Account No. 12-0555.

Respectfully submitted,

Date: 2/09/04


By: Douglas E. Jackson
Registration No.: 28518

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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**Sheet 1 of 1Application #
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2/09/04
OTAKA

P08137US00/RFH**U.S. PATENT DOCUMENTS**

Exam. Initial*	Document No. Number - Kind	Publ. Date MM-DD-YYYY	Name Patentee or Applicant	Relevance Passages/Figs.
	US-			
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FOREIGN PATENT DOCUMENTS

Exam. Initial*	DOCUMENT Country-Number-Kind	Publ. Date MM-DD-YYYY	Name Patentee or Applicant	Relevance Passages/Figs.	Trans- lation
	JP- 2-68513	5/2/909			XXX
	JP- 2000-13126	7/24/01	NIPPON STEEL CORP.		
	JP-10-98322	4/17/89	NIPPON DENSO CO. LTD.		
	JP-9-55618	3/12/97	MURATA MANUF. CO.		
	JP-9-199939	7/31/97	MURATA MFG. CO. LTD.		

NON PATENT LITERATURE DOCUMENTS

Exam. Initial*	Include NAME of the author (in CAPS), Title of Article/Item, Date, Page(s), Volume-Issue No., Publisher, City and/or Country where published	Trans- lation

Examiner Signature

Date Considered

* Examiner: Initial if considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Partial English translation of JP-UM-A-2-68513

Fig. 1 is a perspective view showing an embodiment of the present utility model. A flat antenna 10 includes a dielectric substrate 12. On one main surface of the dielectric substrate 12, a plurality of antenna patterns 14a, 14b, 14c and 14d are formed. These antenna pattern 14a to 14d are formed in such a manner that their orientations are changed at a constant period respectively. These antenna patters 14a to 14d constitute antenna elements respectively.